

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S75	30	(increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3) with current same receiver and "398"/\$7.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S76	1	"4467192".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S77	7	("4051363"   "4234253").PN. OR ("4467192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S78	0	(increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3) with current same receiver and S77	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S79	11	("4467192"   "5015839"   "5625181"   "5750980").PN. OR ("6031219").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S80	60	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode) with current with (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S81	1	"20050025498"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S82	64	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode) with (i or current) with (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S83	11	("3898583"   "3931512"   "4008390").PN. OR ("RE31969").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S84	186757	"8" and comparator	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S85	5512	"s8" and comparator	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43

## EAST Search History

S86	5512	\s8 and comparator	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S87	64	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode) with (i or current) with (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S88	33	S87 and comparator	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S89	17	S87 and comparator with reference	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S90	1	"4467192".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S91	1	"6381054".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S92	0	1998-02251	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/01/23 13:43
S93	2	"1022521"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/01/23 13:43
S94	3	"1042298"	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/01/23 13:43
S95	1	10-42298	US-PGPUB; USPAT; USOCR; JPO	OR	ON	2007/01/23 13:43
S96	0	("2005/0207493").URPN.	USPAT	OR	ON	2007/01/23 13:43
S97	1	10-22521	USPAT	OR	ON	2007/01/23 13:43
S98	4	"5737111"	USPAT	OR	ON	2007/01/23 13:43
S99	4	("5371763"   "5430766"   "5532471").PN. OR ("5737111").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S100	0	10-142298	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43

## EAST Search History

S10 1	15	"10142298"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 2	74	okayasu near2 toshiyuki	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 3	8	S102 and (add\$3 or subtract\$3) near5 current	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 4	13	("4045747"   "4221964"   "4335360"   "4536662"   "5504782"   "5654981"   "5734293"   "5760601"   "5767708"   "5898326").PN. OR ("6297672").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 5	4	S102 and (add\$3 or subtract\$3) near5 bias	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 6	12	("4354269"   "4799008"   "4928278"   "5231314"   "5262716"   "5821529"   "6060898"   "6133725"   "6331783"   "6396856").PN. OR ("6469514").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S10 7	0	S106 and (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3) with (bias or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S10 8	401	"398"/\$7.ccls. and (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3) with (bias or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S10 9	70	"398"/\$7.ccls. and (increas\$3 or increment\$3 or add\$3) with (decreas\$3 or decrement\$3 or subtract\$3) with (bias or current) same (receiver of pd or photodiode or photo?diode)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 0	977579	"65" not S87	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 1	48	S109 not S87	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 2	1	"4467192".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43

## EAST Search History

S11 3	24	(US-20050207493-\$ or US-20030058510-\$).did. or (US-6658217-\$ or US-6711189-\$ or US-6671465-\$ or US-6445670-\$ or US-6396614-\$ or US-6292497-\$ or US-5545891-\$ or US-5291505-\$ or US-RE31969-\$ or US-6229832-\$ or US-4833680-\$ or US-4745609-\$ or US-4580044-\$ or US-6819722-\$ or US-6583671-\$ or US-6191879-\$ or US-5737111-\$ or US-5532471-\$ or US-5430766-\$ or US-5371763-\$ or US-6871084-\$ or US-5254851-\$). did.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S11 4	19	S113 and (add\$3 or increment\$3 or increas\$3) near5 (bias or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 5	16	S113 and (add\$3 or increment\$3 or increas\$3) near3 (bias or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 6	323	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode) same(add\$3 or increment\$3 or increas\$3) near3 (i or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 7	160	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode)with(add\$3 or increment\$3 or increas\$3) near3 (i or current)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 8	12	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (pd or photodiode or photo?diode)with(add\$3 or increment\$3 or increas\$3) near3 (i or current) same (rx or receiver)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S11 9	7	("4051363"   "4234253").PN. OR ("4467192").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S12 0	16	("4019048"   "4292514"   "4298835"   "4438348"   "4467192"   "4495410"   "4599527"   "4644145"   "4665311"   "4730128").PN. OR ("4987298").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43

## EAST Search History

S12 1	1	("398"/\$7.ccls. or "359"/\$7.ccls. or "370"/\$7.ccls. or "372"/\$7.ccls. or "375"/\$7.ccls. or "379"/\$7.ccls.) and (incident)near9(add\$3 or increment\$3 or increas\$3) near3 (i or current) same (rx or receiver)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S12 2	1	"6583671".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2007/01/23 13:43
S12 3	29	(US-20050207493-\$ or US-20030058510-\$).did. or (US-6658217-\$ or US-6711189-\$ or US-6671465-\$ or US-6445670-\$ or US-6396614-\$ or US-6292497-\$ or US-5545891-\$ or US-RE31969-\$ or US-6229832-\$ or US-4833680-\$ or US-4745609-\$ or US-4580044-\$ or US-6819722-\$ or US-6583671-\$ or US-6191879-\$ or US-5737111-\$ or US-5532471-\$ or US-5430766-\$ or US-5371763-\$ or US-6871084-\$ or US-5254851-\$ or US-4467192-\$ or US-6031219-\$ or US-5343034-\$ or US-5270533-\$ or US-4987298-\$). did. or (US-4292514-\$).did.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 4	28	S123 and reference	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 5	15	S123 and compar\$7 with reference	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 6	3	"4467192".pn. or "6396614".pn. or "5737111".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 7	3	S126 and compar\$6	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 8	3	"6583671".pn. or "4987298".pn. or "6031219".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S12 9	2	S128 and magnitude	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S13 0	1	"5737111".pn.	US-PGPUB; USPAT	OR	ON	2007/01/23 13:43
S13 1	13	S123 and fiber	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 2	1	"6583671".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 3	1	"5737111".pn.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43

## EAST Search History

S13 4	1	"5737111".pn. and transmission	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 5	1	"20050025498"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 6	1	"398"/\$7.ccls. and oscillation with (ld or laser or diode) with bias with (larger or greater or higher adj than) same transmit\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 7	4	oscillation with (ld or laser or diode) with bias with (larger or greater or higher adj than) same transmit\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 8	5	("4803384"   "4833680"   "5027362"   "5127015"   "5708673").PN. OR ("5870418").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S13 9	17	(ld or laser or diode) with bias with (larger or greater or higher adj than) with threshold same transmit\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 0	5	"398"/\$7.ccls. and (ld or laser or diode) with bias with (larger or greater or higher adj than) with threshold same transmit\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 1	0	S140 not S139	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 2	12	S139 not S140	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 3	8	(ld or laser or diode) with (current or bias\$2) with (larger or greater or higher adj than) with threshold with oscillat\$5 same transmi\$6	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 4	5	("4826295"   "5796505"   "5801877"   "5973808").PN. OR ("6529304"). URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 5	98	(ld or laser or diode) with (current or bias\$2) near7 (larger or greater or higher adj than) with threshold with oscillat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 6	61	(ld or laser or diode) with (current or bias\$2) near7 (larger or greater or higher adj than) near7 threshold near4 oscillat\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43

## EAST Search History

S14 7	26	(ld or laser or diode) with (current or bias\$2) near7 (larger or greater or higher adj than) near7 threshold near4 oscillat\$5 and (tx or transmit\$7)	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43
S14 8	1	"20040109476"	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/23 13:43